

F5 Administering BIG-IP Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The F5 Administering BIG-IP training course offered by Multisoft Systems is designed to equip IT professionals with the necessary skills to manage and operate F5 BIG-IP Application Delivery Controllers (ADCs) effectively.

Module 1: Setting Up the BIG-IP System

- ✓ Introducing the BIG-IP System
- ✓ Initially Setting Up the BIG-IP System
- ✓ Configuring the Management Interface
- ✓ Activating the Software License
- ✓ Provisioning Modules and Resources
- ✓ Importing a Device Certificate
- ✓ Specifying BIG-IP Platform Properties
- ✓ Configuring the Network
- ✓ Configuring Network Time Protocol (NTP) Servers
- ✓ Configuring Domain Name System (DNS) Settings
- ✓ Configuring High Availability Options
- ✓ Archiving the BIG-IP Configuration
- ✓ Leveraging F5 Support Resources and Tools

Module 2: Traffic Processing Building Blocks

- ✓ Identifying BIG-IP Traffic Processing Objects
- ✓ Configuring Virtual Servers and Pools
- ✓ Load Balancing Traffic
- ✓ Viewing Module Statistics and Logs
- ✓ Using the Traffic Management Shell (TMSH)
- ✓ Understanding the TMSH Hierarchical Structure
- ✓ Navigating the TMSH Hierarchy
- ✓ Managing BIG-IP Configuration State and Files
- ✓ BIG-IP System Configuration State
- ✓ Loading and Saving the System Configuration
- ✓ Shutting Down and Restarting the BIG-IP System
- ✓ Saving and Replicating Configuration Data (UCS and SCF)

Module 3: Using NATs and SNATs

- ✓ Address Translation on the BIG-IP System
- ✓ Mapping IP Addresses with NATs
- ✓ Solving Routing Issues with SNATs
- ✓ Configuring SNAT Auto Map on a Virtual Server
- ✓ Monitoring for and Mitigating Port Exhaustion

Module 4: Monitoring Application Health

- ✓ Introducing Monitors
- ✓ Types of Monitors
- ✓ Monitor Interval and Timeout Settings
- ✓ Configuring Monitors
- ✓ Assigning Monitors to Resources
- ✓ Managing Pool, Pool Member, and Node Status
- ✓ Using the Network Map

Module 5: Modifying Traffic Behavior with Profiles

- ✓ Introducing Profiles
- ✓ Understanding Profile Types and Dependencies
- ✓ Configuring and Assigning Profiles
- ✓ Introducing SSL Offload and SSL Re-Encryption
- ✓ Managing Object State

Module 6: Modifying Traffic Behavior with Persistence

- ✓ Understanding the Need for Persistence
- ✓ Introducing Source Address Affinity Persistence
- ✓ Managing Object State

Module 7: Administering the BIG-IP System

- ✓ Configuring Logging
- ✓ Legacy Remote Logging
- ✓ Introducing High Speed Logging (HSL)
- ✓ High-Speed Logging Filters
- ✓ HSL Configuration Objects
- ✓ Configuring High Speed Logging
- ✓ Using TCPDUMP on the BIG-IP System
- ✓ Leveraging the BIG-IP iHealth System
- ✓ Viewing BIG-IP System Statistics
- ✓ Defining User Roles and Administrative Partitions
- ✓ Leveraging vCMP

Module 8: Configuring High Availability

- ✓ Introducing Device Service Clustering (DSC)
- ✓ Preparing to Deploy a DSC Configuration
- ✓ Configuring DSC Communication Settings
- ✓ Establishing Device Trust
- ✓ Establishing a Sync-Failover Device Group
- ✓ Synchronizing Configuration Data
- ✓ Exploring Traffic Group Behavior
- ✓ Understanding Failover Managers and Triggers
- ✓ Achieving Stateful Failover with Mirroring